

1 111. Optical devices comprising a composite formed using the resin blend
2 of any of claims 18-60 or 97-107.

1 112. A composition for making optical devices comprising the resin blend
2 of any of claims 18-60 or 97-107.

1 113. A bone restoration comprising a composite formed from the resin
2 blend of any of claims 18-60 or 97-107.

1 114. A dental restoration comprising a composite formed from the resin
2 blend of any of claims 18-60 or 97-107.

1 115. A method for delaying crystallization of a primary liquid crystal
2 monomer which otherwise crystallizes in under 30 minutes after addition of inorganic
3 filler at a temperature of 20 °C, said method comprising providing a resin blend
4 comprising said primary liquid crystal monomer and at least one secondary monomer,
5 whereby upon addition of said inorganic filler to said resin blend at a temperature of
6 20 °C, said resin blend maintains a nematic liquid crystalline state for about 30 minutes
7 or more and exhibits about 4 vol. % or less polymerization shrinkage.